International Cloud Symposium 2012
The Intersection of Policies, Standards & Best Practices for Robust Trusted Public Sector Cloud Deployments

## 10-11 October – Symposium Program
## 12 October – Related Meetings and Workshops
## Washington, DC

- **ICS Website**
- **Venue**

**Objective & Outcome:**  Two days of compelling content and networking is only the start.

ICS is a continuum series of annual events, each one building on the experiences and conclusions drawn from previous gatherings. The Symposia are held on a different continent each year, in an effort to encompass global perspectives.

Unlike traditional "sit, listen, and leave" conferences, ICS provides an interactive experience that produces valuable, actionable outcomes. Participants become part of an actively engaged community sounding board that generates productive ideas, activities, and alliances during and between events.

At the conclusion of this year's ICS, a recap will be made of points raised, lessons learned, gaps identified, and paths charted. The Program Committee will publish a summary document outlining these issues and mapping out a way forward that may include the creation of new OASIS Technical Committees and other working groups chartered to develop relevant standards, specifications, profiles, and/or best practices.

**Participation:**  Participation is open to professionals responsible for developing, influencing and managing ICT policy for public, private, academic, and global institutional sectors.  ICS attendees include:

• chief information officers
• chief technology officers
• strategy directors
• compliance and policy managers
• IT directors
• infrastructure directors
• heads of shared services
• directors of information compliance and assurance

Central government departments and bodies, local authorities, businesses, regional development agencies, local strategic partnerships, and academia will be represented In order to facilitate meaningful interaction, participation will be limited to 150 attendees. Participants will be encouraged to share their cloud computing experiences (negative and positive) throughout the two-day program.

- Current list of ICS 2012 attendees may be found at:  http://ics2012.eventbrite.com/

**Registration Fee:**  Participants will be asked to cover their own travel and accommodation costs.  A minimal registration fee will be charged to cover the basic services throughout the two-day Symposium program. Coffee break, luncheon, and reception sponsorship will be offered to help keep the registration cost low.

**Sponsorship Opportunities:**  The Symposium is specifically designed to promote collaboration and provide opportunities to share ideas. There are combinations of formal and informal activities that facilitate networking and exchanges among participants. The scale of the Symposium allows government professionals to participate in highly interactive conversations, to network directly with the business community to establish new and long lasting peer-to-peer contacts.  By pledging to become a Symposium Sponsor, companies will be recognized as helping to make the event possible.  A number of different level sponsorship options are available.  Options and benefits are listed online.  Questions may be directed to: Dee Schur.  Current sponsors include:



**Overview:**   Cloud computing poses particular challenges and opportunities for the public sector. The nature of the cloud requires re-examination of the public policy and government responsibility requirements generally applied to ICT functions. While promises of increased speed, functionality, reach, and efficiencies are genuine, transitioning to the cloud can put unique stresses on conventional ICT requirements and give rise to issues not encountered in segregated, stand-alone computing installations.

Work has been done on creating typologies of cloud computing service function levels and models of services. Different coalitions have proposed requirements lists that address specific levels of cloud activity. Still, there is little help available to governments for integrating those lists into common, readily-understood rules that inform tests or acquisition criteria, and there is little openly available, vendor-neutral information for mapping these requirements to existing ICT standards.

The International Cloud Symposium (ICS) was designed to facilitate discussions between public sector administrators and Cloud experts on a global level. The interactive nature of ICS encourages attendees to share their recommendations on what "required" functional elements and measurable criteria should be present in cloud computing services or installations. In this context, "should be present" refers to aspects of a cloud service or installation that are likely to be necessary in order to satisfy the public policy aspects, governmental reliability and stability requirements, responsibility to citizens and constituent stakeholders, and broad, platform-neutral accessibility that generally are expected and desirable from useful, long-term government ICT resources. The Symposium highly recommends that all participants join in on the discussions. Everyone is welcome to share their experiences and recommendations, as well as, hear the latest on the new advances in security, privacy and trust being developed by OASIS and other international organizations.

ICS will combine high-profile keynote speakers, interactive roundtable sessions and moderated debates. Productive networking time will complement each day's agenda.

Event background:

- [List of ICS 2011 attendees](#)
- [ICS 2011 final report](#)

**Program Agenda**

| WEDNESDAY, 10 OCTOBER | |
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| 8:30-9:30 | Arrival Coffee & Registration |
| 9:30-10:15 | **OPENING PLENARY SESSION**<br><br>**Welcome and Keynote Addresses**<br>• *John Sabo, Chair, IDtrust Member Section*<br>• *Laurent Liscia, Executive Director, OASIS*<br>• *Dawn Leaf, Senior Executive for Cloud Computing, National Institute of Standards & Technology* |
| 10:15-10:30 | Refreshment Break |
| 10:30-12:00 | **SESSION ONE: 'Digital Government'**<br><br>The White House has revealed a comprehensive Government-wide strategy and roadmap to build the '21st century Digital Government that will deliver better digital services to the American people.' The strategy outlines initiatives and principles that will guide federal agencies as they deliver citizen-centric, digital information and services across a variety of platforms, devices and delivery mechanisms (e.g. websites, mobile applications, and social media). The mission is to build openness, yet paradoxically, security and privacy into the infrastructure of all government IT assets. The envisioned collaboration between agencies will facilitate information sharing, leverage economies of scale; reduce data silos and duplication while delivering better services to citizens at a reduced cost. During this session our guest speakers will share their perspectives on this Government-wide strategy and how their organizations are facilitating the mission.<br><br>*Session Chair: Jamie Clark, General Counsel, OASIS*<br><br>*Presenters:*<br>• *Rober Bohn, Cloud Computing Program Manager, National Institute of Standards & Technology*<br>• *Anil Karmel, M&O Chief Technology Officer, Department of Energy*<br>• *Deb Gallagher, Chair, Roadmap Development Team, General Services Administration*<br>• *A representative from Data.gov to be announced* |
| 12:05-1:15 | Luncheon, sponsored by [CA Technologies](#) |
| 1:15-1:45 | **PLENARY SESSION: What It Takes for a Large Enterprise to Play Securely in a Cloud-based Economy**<br>• *Sounil Yu, Security Evangelist and Director of Research & Development for Information Security Programs, Bank of America* |
| 1:45-3:15 | **SESSION TWO: Risk Management & Legal Issues in Cloud Practice**<br><br>Governments and industry alike constantly must adapt and respond to the risk management and compliance issues caused by an ever-growing body of regulations and practices, and the evolution of |

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| | new risks.  In this session, the speakers will prepare participants to meet these challenges by discussing current trends, issues, and strategies to operate and adapt in that environment, including industry assurance practices, issues of location, and contractual attempts to cope with or harmonize multiple, conflicting various legal requirements.<br><br>*Session Chair:  Jamie Clark, General Counsel, OASIS*<br><br>*Presenters:*<br>• *Luke Pedersen, Partner, Baker & Botts LLP*<br>• *Christopher Paul Dodorico, Washington Federal Practice, PricewaterhouseCoopers*<br>• *Andy Murren, Senior Manager, Enterprise Risk Services, Deloitte*<br>• *Steve Mutkoski, Worldwide Policy Director, Microsoft*<br>• *Peter Alterman, Chief Operating Officer, SAFE-BioPharma Association* |
| 3:15-3:30 | Refreshment Break |
| 3:30-4:30 | **PLENARY SESSION:  Latest in Cloud Standardization Initiatives**<br><br>Get a preview of the newest and most relevant Cloud standardization projects. ICS will feature briefings on new and soon-to-be announced initiatives at OASIS.  **CAMP** (Cloud Application Management for Platforms) will standardize PaaS API, enabling the interoperability needed to deploy applications across cloud platforms from multiple vendors.  **CloudAuthZ** will generate profiles for cloud authorization and entitlements, allowing authorization policies to be enforced as close to the consumer as possible.  The ICS session will also include updates on **TOSCA**, which enhances the portability of cloud applications, **IDCloud**, which defines profiles of standards for identity deployment, provisioning and management, and **Trust Elevation**, which works to define a set of standardized protocols that service providers may use to elevate the trust in an electronic identity credential presented to them for authentication.<br><br>*Session Chair:  Scott McGrath, Chief Operating Officer, OASIS*<br><br>*Presenters:*<br>• *David Sawyer, CEO, JumpSoft Inc. (CAMP)*<br>• *Rakesh Radhakrishnan, VP, Sr. IAM Architect, Bank of America (CloudAuthZ)*<br>• *Paul Lipton, Vice President, Industry Standards and Open Source Program, CA Technologies (TOSCA)*<br>• *Gershon Janssen, TC Representative, Identity in the Cloud (IDCloud)*<br>• *Abbie Barbir, VP, Senior Architect, Global Information Security, Bank of America (Trust Elevation)* |
| 4:30-5:00 | **PLENARY SESSION:  Trust in the Cloud: NSTIC and the Identity Ecosystem**<br><br>The National Strategy for Trusted Identities in Cyberspace (NSTIC) is a White House initiative calling for the private sector to collaborate on the creation of an "Identity Ecosystem" where individuals can choose from multiple identity providers and digital credentials for more convenient, secure, and privacy-enhancing transactions anywhere online.  NSTIC implementation has now shifted into high gear, with the launch of the privately-led Identity Ecosystem Steering Group in August, as well as the award of more than $9 million in pilots.  Jim Sheire, Senior Advisor in the NSTIC National Program Office, will lay out the case for tackling cloud identity via a public-private partnership and detail the ways in which you and your organizations can and should participate in the coming months, including how to leverage the funded pilot projects that offer innovation and best practices in the Identity Ecosystem. |

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| | • *James Sheire, Senior Advisor, NSTIC, National Institute of Standards and Technology, US Department of Commerce* |
| 5:00-6:30 | Networking Mixer, sponsored by [IBM](#) <br><br> *All ICS participants are invited to join us immediately following the plenary session for hors d'oeuvres and refreshing libations!  This is a great opportunity to catch up with colleagues, make new acquaintances, and initiate new business!* |
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| **THURSDAY, 11 OCTOBER** | |
| 8:30-9:00 | Arrival Coffee |
| 9:00-10:15 | **SESSION THREE:  Making Privacy by Design a Reality in Public Cloud Deployments** <br><br> Cloud computing brings with it increased emphasis  on data privacy and data ownership policy issues, principally because the fundamental nature of cloud technologies inherently exposes existing gaps and deficiencies in global privacy policies and regulatory structures. Inconsistent and conflicting international and national laws and regulations and the lack of standardized policy definitions and taxonomies in traditional IT service environments are well established challenges for both the policy community and government and business program managers. As services move to the cloud, addressing these challenges becomes more urgent. <br><br> Important government initiatives, such as the proposed EU Data Protection Regulation, the U.S. Federal Trade Commission's Recommendations for Consumer Privacy, and the Obama administrations Framework for Consumer Privacy in a Networked World illustrate the importance attached to data privacy by government policymakers.  The emphasis on privacy in operational initiatives - such as the National Strategy for Trusted Identities in Cyberspace and the expanded use of integrated electronic healthcare systems - is another indicator that privacy and data protection are being treated seriously by governments. <br><br> This session will examine three areas related to "privacy by design" in public sector cloud deployments: the implications of "privacy by design" concepts for cloud computing; new standards that can make enforceable, interoperable privacy-enabled cloud-based services, and considerations of identity and ownership in cloud deployments. <br><br> *Session Chair:  John Sabo, Chair, IDtrust Member Section* <br><br> *Presenters:* <br> • *Abbie Barbir, VP, Senior Architect, Global Information Security, Bank of America* <br> • *Dawn Jutla, Professor, Dept. of Finance, Information Systems, and Management Science, Saint Mary's University* <br> • *Gershon Janssen, TC Representative, OASIS Privacy Management Reference Model and Methodology (PMRM)* <br> • *Video Speech from Ann Cavoukian, Commissioner, Office of the Information & Privacy, Ontario, Canada* |
| 10:15-10:30 | Refreshment Break |
| 10:30-12:00 | **SESSION FOUR:  Reducing the Burdens on Government & Industry Through Certification &** |

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| | **Accreditation**<br><br>A certification and accreditation system for Public Sector Cloud computing to reduce the burden on industry and government is required.  Testing needs to verify that the specified functions required for any given service are actually in place.  This session will look to identify which non-technical components can be realistically tested and will put forward a framework for certification and accreditation for consideration and incorporation into the work of the new OASIS Technical Committee.<br><br>The session will hear from existing users who have already introduced a testing and accreditation system for their Cloud services and also from the providers of Certification and Accreditation services.<br><br>*Session Chair:  Jacques Durand, Director R&D, Fujitsu America, Inc.*<br><br>*Presenters:*<br>● *Colin Wallis, Authentication Standards Manager, Internal Affairs Dept, New Zealand Government & TC Representative, OASIS PACR (Public Administration Cloud Requirements)*<br>● *Lisa Carnahan, Computer Scientist, Standards Coordination Office, National Institute of Standards & Technology (NIST)*<br>● *Anne Caldas, Senior Director, Procedures & Standards Administration, American National Standards Institute (ANSI)*<br>● *Ado Trakic, Enterprise Architect, Marriott International Inc. & Representative of Open Data Center Alliance (ODCA)*<br>● *Alan Sill, Vice President of Standards, Open Grid Forum & Site Director, Center for Cloud and Autonomic Computing, Texas Tech University* |
| 12:00-1:00 | Luncheon |
| 1:00-1:30 | **PLENARY SESSION:  Identity in an API Economy and Life Management Platforms**<br>● *Craig Burton, Distinguished Analyst, KuppingerCole* |
| 1:30-2:00 | **PLENARY SESSION:  The European Way to Cloud Computing Leadership**<br>● *Ken Ducatel, Head of Unit, Software & Services Cloud, European* |
| 2:00-3:30 | **SESSION FIVE:  New Approaches to Evaluate Competing Services and Enforce SLA Requirements**<br><br>A key enabler of cloud contracting and use -- all the way from market research and proposal evaluation, through SLAs and monitoring, to auditing and regulatory enforcement -- is the availability of common vocabularies and operations for different service components.  Open standards are required to make services comparable, portable and interoperable across vendors and architectures. As more organizations consider the shift toward cloud services, industry is working hard to offer new approaches to meet these challenges. During this session, experts will provide progress reports on some of the work underway that is addressing these needs.  They will also provide the perspective of cloud buyers who must be able to evaluate competing services and enforce Service Level Agreement requirements.  Finally, we will hear from a cloud auditor on the challenges associated with undertaking cloud system audits.<br><br>*Session Chair:  Brendan Peter, Senior Director of Global Government Relations, CA Technologies*<br><br>*Presenters:*<br>● *Ken Ducatel, Head of Unit, Software & Services Cloud, European Commission*<br>● *Ken Stavinoha, Solutions Architect, Cisco Systems*<br>● *Jeff Perdue, CSMIC Co-Director and Senior Scientist, Carnegie Mellon Silicon Valley* |

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| | - *Bhavesh Bhagat, Co-Founder of Confident Governance and Chairman, EnCrisp GRC & Representative, Information Systems Audit and Control Association (ISACA)* |
| 3:30-3:45 | Refreshment Break |
| 3:45-5:15 | **SESSION SIX:  Vendor Supplied GovClouds**<br><br>This session will present vendor Clouds that are tailored to government users.  Multiple major vendors have independently launched separate GovCloud versions of their public Clouds.  There are many open GovCloud issues including government regulations, security, standardizations, and interoperability that will be key components of future Public Administration Cloud Requirements.  Attendees will have an opportunity to compare vendor offerings and provide feedback on future requirements.<br><br>*Session Chair:  Jerry Smith, Office of DoD, Executive Agent for IT Standards, DISA*<br><br>*Presenters:*<br>- *Matt Miszewski, SVP for Public Sector, Salesforce.com*<br>- *Susie Adams, Chief Technology Officer, Federal Civilian Business, Microsoft*<br>- *Mark Ryland, Chief Solutions Architect, Amazon Web Services*<br>- *Harry Foxwell, Principal Consultant for Cloud Computing, Oracle Public Sector*<br>- *Andras Szakal, DE, VP and CTO, IBM US Federal Business* |
| 5:15-5:30 | **CLOSING SESSION:  Lightning Round Wrap-up Session**<br><br>*Session Chairs:*<br>- *Brendan Peter, Senior Director of Global Government Relations, CA Technologies*<br>- *John Sabo, Chair, IDtrust Member Section*<br>- *Jamie Clark, General Counsel, OASIS*<br>- *Jerry Smith, Office of DoD, Executive Agent for IT Standards, DISA*<br>- *Jacques Durand, Director R&D, Fujitsu America, Inc.* |
| 5:30-7:30 | Optional No-Host Dinner Outing<br><br>*ICS participants are on-their-own for dinner; however, everyone is invited to optionally sign-up to attend the no-host dinner scheduled for Thursday, 11 October. Sign-up sheets will be available in the registration area starting on Wednesday.  Dinner reservations will be confirmed around 2:00 PM and may include a few different restaurants (depending on interest). Menu(s) will be available for review as well.  Any additional family members travelling with participants are also invited to join us. Please note this is not a hosted dinner, so each participant (and related family members) will be responsible for covering the costs associated with their dinner.* |
| | **FRIDAY, 12 OCTOBER** |
| 9:00-5:00 | **OASIS  Board of Director's Meeting**<br>- *Closed meeting* |